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PHENOLICS
EPA 420.1 Editorial Revision 1978

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
1. For Non-Potable Water samples, were samples collected in glass containers, preserved to pH < 2 with H2SO4, cooled to ≤6°C, and held for not longer than 28 days?	40 CFR 136 Table 1l				
2. For distillation, was 500 mL of sample adjusted to pH of ~ 4 with H3PO4 and 5 mL of CuSO4. (This H3PO4 and CuSO4 addition can be omitted if added for preservation.)	8.1.1				
3. Was an additional 50 mL of warm water added to distiller and distillation resumed until a total of 500 mL collected?	8.1.2				
4. Was the distillate filtered with a prewashed membrane filter if turbid?	8.1.3				
Direct Spectrophotometric Method					
5. Were working standards prepared as 0, 50, 100, 200, 500, 800, 1000 ug/L?	8.2.1				
6. To 100 mL of distillate or aliquot diluted to 100 mL was 2-mL of NH4Cl buffer solution added which will adjust the pH to 10 +/- 0.2.	8.2.2				
7. After addition of 4-AAP and K3Fe(CH)6 in order listed, did analyst wait 15 minutes before reading absorbance at 510 nm?	8.2.3 8.2.4				

Notes/ Comments:

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Chloroform Extraction Method					
8. Were working standards prepared as 0, 6, 10, 20, 40, 50-ug/L (Standards may be prepped in 500 separatory funnels)?	8.3.1				
9. Is 500 mL or an aliquot diluted to 500 mL added to a 500 mL separatory funnel (Sample should contain < 50 ug/L phenol)?	8.3.2				
10. After addition of 4-AAP and K3Fe(CH)6 in order listed, did analyst wait 15 minutes before reading absorbance at 510 nm?	8.3.4 8.3.5				
11. After 3 minutes, were samples extracted twice with Chloroform by shaking 10 times?	8.3.6				
12. Were chloroform extracts filtered through filter paper?	8.3.6				
13. Were the absorbances read at 460 nm?	8.3.8				

Notes/ Comments: